

Claims

1. Method for the transport of material, with which at least one mobile transport means (1) is detected using at least one data processing device,  
5 characterized in that a detection device (12) connected to the transport means (1) emits signals and signals are sent back to the detection device (12) by response units (6), the detection device (12) determining the position coordinates and the  
10 position angle of the transport means (1) using at least one reference coordinates system.
2. Method according to Claim 1,  
characterized in that the current speed of the transport means  
15 (1) is also determined.
3. Method according to one of the preceding claims,  
characterized in that the position coordinates of the transport means (1) are automatically calibrated to a material-relevant  
20 point.
4. Method according to one of the preceding claims,  
characterized in that the position coordinates are supplemented by at least one area identifier.  
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5. Method according to one of the preceding claims,  
characterized in that the data processing device determines the type of storage of the material from the position angle.
- 30 6. Method according to one of the preceding claims,  
characterized in that the detection device (12) emits radar signals.

replied by  
Article 34

7. Method according to one of the preceding claims, characterized in that data is transmitted between the detection device (12) and a data processing device connected to the transport means (1).

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8. Method according to one of the preceding claims, characterized in that data is transmitted in particular wirelessly between the detection device (12) and/or a data processing device connected to the transport means (1) and a stationary data processing device (2).

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9. Method according to one of the preceding claims, characterized in that material transport is controlled by means of the stationary data processing device (2) and using the transmitted data.

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10. Method according to one of the preceding claims, characterized in that a storage inventory with discrete storage locations is verified and provided by means of the stationary data processing device (2) and using the transmitted data.

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11. Method according to one of the preceding claims, characterized in that transport instructions, position and/or material information is displayed visually using the data processing device connected to the transport means (1).

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12. Material transport system, having at least one data processing device and at least one detection device (12) for detecting at least one mobile transport means (1),

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characterized in that

- the detection device (12) is connected to a transport means (1),
- the detection device (12) has means for sending and receiving

signals, and

- stationary response units (6) are provided, which in particular receive signals from the detection device (12) and send back signals, by means of which the detection device (12) determines the position coordinates, the position angle and preferably also the current speed of the transport means (1) using at least one reference coordinates system.

13. Material transport system according to Claim 12, characterized in that the data processing device and/or the detection device (12) has a module for calibrating the position coordinates of the transport means (1) to a material-relevant point.

14. Material transport system according to Claim 12 or 13, characterized in that the data processing device has a module for supplementing the position coordinates with at least one area identifier.

15. Material transport system according to one of Claims 12 to 14, characterized in that the data processing device has a module for determining the type of storage of the material from the position angle.

16. Material transport system according to one of Claims 12 to 15, characterized in that the detection device (12) is configured as a radar device.

17. Material transport system according to one of Claims 12 to 16, characterized in that the detection device (12) is linked to a data processing device connected to the transport means (1).

18. Material transport system according to one of Claims 12 to 17, characterized in that the detection device (12) and/or a data processing device connected to the transport means (1) and a stationary data processing device (2) are linked in  
5 particularly wirelessly for the transmission of data.

19. Material transport system according to one of Claims 12 to 18, characterized in that the stationary data processing device (2) has a device for controlling the transport of materials.

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20. Material transport system according to one of Claims 12 to 19, characterized in that the stationary data processing device (2) has a device for verifying and providing a storage inventory with discrete storage locations.

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21. Material transport system according to one of Claims 12 to 20, characterized in that the data processing device connected to the transport means (1) is connected to a device for the visual display of transport instructions, position and/or  
20 material information.